

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0021	Overall LMA Rating	Total LMA Miles						
Yolo County Planning Resources and Public Works	U	0.59						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.38	0.25	1.38	235.16%				
Trim / Thin Trees	0.08		0.08	13.63%				
Encroachments					0.01			
Operations & Maintenance Manuals		0.02	0.09	15.34%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
<i>LMA Totals:</i>	0.46	0.27	1.55	264.13%	0.02	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Yolo County Planning Resources and Public Works

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
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Unit Cover Sheet

Fall 2014 Levee Inspection Results

Yolo County Planning Resources and Public Works

Waterway			Bank	Unit Miles
Unit No. 01 Right Bank Cache Creek			Right	0.59
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/18/2014 - 03/18/2014		11/12/2014 - 11/12/2014	
DWR Inspector	John Williamson		Clay Thomas	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2014

Yolo County Planning Resources and Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	11/12/2014 11/12/2014	Clay Thomas

LM Start		Rating **	U	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_NA0021_01_s_2012_5				
Action/Comments					
Inspector Comments: Yolo County Planning Resources and Public Works does not have levee manuals for their levees.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_NA0021_01_s_2012_11				
Action/Comments					
Inspector Comments: Yolo County OES maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	12	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_NA0021_01_s_2012_12					
Action/Comments						
Inspector Comments: Yolo County OES has a written response plan and response training.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Yolo County Planning Resources and Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.00	Rating **	M	Issue No.	66
LM End	0.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.722162 °	38.722162 °
				-121.807223 °	-121.807223 °
DWR ID	DWR_NA0021_01_f_2014_66				
Action/Comments					
Inspector Comments: FS_ID:39855 EP_NO: 6790 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. FIELD_STRUCT_DESC: 6-inch gas line through levee, 4-feet below the crown. Pipe extends from borrow area and under the channel. Bleeder valve on waterward bank. Service vault located on landward side next to access gate. Paved access ramp on landward slope. (Permit No. 6790-1970) FS Date: 4/16/2013					

No Photos

LM Start	0.00	Rating **	C	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.722220 °	38.722220 °
				-121.806965 °	-121.806965 °
DWR ID	DWR_NA0021_01_s_2012_3				
Action/Comments					
Firewood					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.01	Rating **	M	Issue No.	4
LM End	0.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.722418 °	38.722418 °
				-121.806999 °	-121.806999 °
DWR ID	DWR_NA0021_01_s _ 2012_4				
Action/Comments					
Prunings					

LM Start	0.01	Rating **	M	Issue No.	4 (cont)
LM End	0.01	Issue Type +	En	Location *	WS

LM Start	0.01	Rating **	M	Issue No.	4 (cont)
LM End	0.01	Issue Type +	En	Location *	WS

A photograph showing a large, disorganized pile of cut branches, twigs, and debris in a grassy field. The pile is composed of many thin, light-brown branches and some darker, possibly charred or wet material. The foreground is filled with lush green grass. In the background, there are more trees and a clear blue sky. The scene appears to be a natural or semi-natural area, possibly a park or a field, with some human intervention (cutting branches) evident.

A photograph showing a dry, open landscape under a clear blue sky. In the foreground, there is a gravel path or road that curves towards the right. The ground is covered with dry, yellowish-brown grass and scattered small shrubs. In the middle ground, there is a large, dense pile of dry, brown brush and branches, possibly a result of a fire or clearing. Behind this pile, there are several trees and shrubs, some with green leaves and others with reddish-brown foliage. The overall scene suggests a semi-arid or Mediterranean climate.

The latest look of the ongoing brush pile. Fall 2013

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

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Levee Inspection Report By Mile - Fall 2014

Yolo County Planning Resources and Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.01	Rating **	U	Issue No.	17
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.722220 °	38.725887 °
				-121.806966 °	-121.806550 °
DWR ID	DWR_NA0021_01_s_2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 3 : FA_2014_NA0021_351_17_20141014_00015.jpg



Vegetation and brush is taller than 12 inches. No visibility of the waterside berm. Spring 2013

LM Start	0.01	Rating **	U	Issue No.	17 (cont)
LM End	0.26	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2014_NA0021_351_17_20141014_00016.jpg



Tall grasses and brush on the waterside berm area. Spring 2014

LM Start	0.01	Rating **	U	Issue No.	17 (cont)
LM End	0.26	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2014_NA0021_351_17_20141014_00017.jpg



The vegetation on the waterside is over grown. Fall 2013

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Yolo County Planning Resources and Public Works

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Yolo County Planning Resources and Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.08	Rating **	M	Issue No.	1
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.723381 °	38.725835 °
				-121.806786 °	-121.806526 °
DWR ID	DWR_NA0021_01_s_ 2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: This area now has been declared a habitat restoration area by the Cache Creek Conservancy.					

Photo 1 of 3 : FA_2014_NA0021_351_1_20141014_00001.jpg



The vegetation partially blocking visibility. Fall 2013

LM Start	0.08	Rating **	M	Issue No.	1 (cont)
LM End	0.26	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2014_NA0021_351_1_20141114_00085.jpg



Vegetation on levee slopes and crown. Fall 2014.

LM Start	0.08	Rating **	M	Issue No.	1 (cont)
LM End	0.26	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2014_NA0021_351_1_20141014_00002.jpg



Vegetation needs to be mowed taller than 12". Spring 2013

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	11/12/2014 11/12/2014	Clay Thomas

LM Start	0.13	Rating **	M	Issue No.	6
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.723903 °	38.723903 °
				-121.806613 °	-121.806613 °
DWR ID	DWR_NA0021_01_s_2012_6				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2014_NA0021_351_6_20141014_00008.jpg



Tree needs to be trimmed up 5'. Spring 2013

LM Start	0.15	Rating **	M	Issue No.	7
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.724165 °	38.724165 °
				-121.806552 °	-121.806552 °
DWR ID	DWR_NA0021_01_s_2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2014_NA0021_351_7_20141014_00009.jpg



Tree needs to be trimmed to 5'. Spring 2013

LM Start	0.17	Rating **	M	Issue No.	8
LM End	0.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.724445 °	38.724445 °
				-121.806505 °	-121.806505 °
DWR ID	DWR_NA0021_01_s_2012_8				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2014_NA0021_351_8_20141014_00010.jpg



Trees need to be trimmed to 5'. Spring 2013

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank Cache Creek	Right	0.59	11/12/2014 11/12/2014	Clay Thomas

Photo 1 of 1 : FA_2014_NA0021_351_9_20141014_00011.jpg



Trees need to be trimmed to 5'. Spring 2013

Photo 1 of 1 : FA_2014_NA0021_351_10_20141014_00012.jpg



The tree needs to be trimmed up. Photo taken fall of 2011.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement